

Case Docket Number: 50024-026

Customer Number: 20277

**UTILITY PATENT APPLICATION  
UNDER 37 CFR 1.53(b)**

Mail Stop New Patent Utility Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Sir:

17858 U.S. PTO  
10/802878  
031804

Transmitted herewith for filing is the patent application of:

INVENTOR: **Seiichi BANBA, Norihiro NIKAI**  
FOR: **VARIABLE IMPEDANCE CIRCUIT, VARIABLE GAIN DIFFERENTIAL  
AMPLIFIER, MULTIPLIER, HIGH-FREQUENCY CIRCUIT AND  
DIFFERENTIAL DISTRIBUTED AMPLIFIER**

Enclosed are:

- ☒ 109 pages of specification, claims, abstract.  
☒ Declaration and Power of Attorney.  
☒ Priority Claimed. **Japanese Patent Application No. JP 2003-075902**  
**Japanese Patent Application No. JP 2004-055399**  
☐ Certified copy of \_\_\_\_\_  
☒ 33 sheets of formal drawing.  
☒ An assignment of the invention to **SANYO ELECTRIC CO., LTD.**  
and the assignment recordation fee.  
☐ An associate power of attorney.  
☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.  
☐ Information Disclosure Statement, Form PTO-1449 and reference.  
☒ Return Receipt Postcard

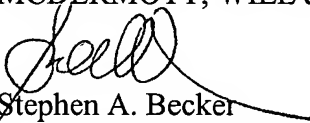
The filing fee has been calculated as shown below:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	AMOUNT
Total Claims	19	-20	0	\$18.00	\$0.00
Independent Claims	13	-3	10	\$86.00	\$860.00
Multiple Dependent Claim(s)					\$0.00
Basic Fee					\$770.00
Total of Above Calculations					\$1,630.00
Less ½ for Small Entity					\$0.00
Assignment & Recording Fee					\$40.00
Total Fee					\$1,670.00

- ☒ Please charge my Deposit Account No. 500417 in the amount of \$1,670.00. A duplicate copy of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 500417 . A duplicate copy is enclosed.
- ☒ Any additional filing fees required under 37 CFR 1.16.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 500417. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,

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**Date: March 18, 2004**